

Material Safety Data Sheet

(EC 1907/2006)
6126-22-04

Revision Date: 10.02.2010
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1. Chemical product and company identification

Product name:

Silane B (Adhesive Silane)

Supplier:

DMG Chemisch-Pharmazeutische Fabrik GmbH

Elbgaustraße 248

22547 Hamburg

Germany

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2. Hazards Identification

None, if handled according to directions.
No labelling of hazardous ingredients required.

3. Composition / Information on ingredients

Common chemical name / Generic name:

Organofunctional silane.

4. First-aid measures

In case of inhalation: In case of prolonged exposure take patient to open air.
If feeling unwell consult a physician.

In case of skin contact: Wash with soap and water. Take off contaminated clothing.

In case of eye contact : Rinse with plenty of water, consult a physician.

In case of ingestion: Immediately seek medical advice.

5. Fire-fighting measures

Extinguishing media: Powder, sand, foam, carbon dioxide, water spray.

Not suitable extinguishing media: Direct jet of water.

6. Accidental release measures

Personal precautions: Wear suitable protective clothing. Use only in well-ventilated areas.

Environmental precautions: Avoid pollution of water and sewage.

Methods for cleaning up: Take up mechanically, with inert fluid-binding material.

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7. Handling and storage

Handling:

Technical measures: Keep container in a well-ventilated place.

Safe handling advice: Wear suitable gloves. Avoid contact with eyes.

Storage:

Technical measures: No special precautions necessary.

Storage conditions: Keep container tightly closed and dry in a cool place.

Incompatible products: Keep off moisture.

Recommended packaging material: Container of glass or metal or solvent-stable plastics.

8. Exposure controls/personal protection

Engineering measures: Use only in well-ventilated areas.

Personal protective equipment:

Respiratory protection: Do not breathe vapour/spray.

Hand and skin protection: Butylrubber gloves (0.5 mm).

Eye protection: Goggles.

Hygiene measures: When using do not eat or drink.

9. Physical und chemical properties

Appearance: Clear, slightly yellowish liquid

Odour: weak

pH-value: not determined

Changes in physical state:

Boiling temperature: ca. 250 °C

Flashpoint: > 110 °C

Explosion properties: not determined

Rel. vapour density: > 1

Density: 1.04 g/cm³

Solubility in water: immiscible. Decomposition by hydrolysis.

10 Stability and reactivity

Thermal decomposition: None, if handled and stored according to directions.

Hazardous reactions: Exothermic reaction with peroxides possible.

Conditions to avoid: Moisture.

Materials to avoid: Free radicals, peroxides, water.

Hazardous decomposition products: Methanol on hydrolysis.

In case of fire acrid acrylic fumes.

11 Toxicological information

Acute oral toxicity: LD₅₀ (rat) > 5000 mg/kg

Irritation of skin : On prolonged exposure weak irritation possible.

Irritation of eye: On prolonged exposure weak irritation possible.

Specific effects: Allergic reactions to methacrylates are possible.

Potential harmful on ingestion (product of hydrolysis: methanol).

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12 Ecological information

- Do not discharge into drains or the environment.
Mobility: No data available.
Persistence und degradability: ca. 75 %
Ecotoxicity: Fish toxicity $LC_{50} > 1024$ mg/l / 96 h (*Brachydanio rerio*).

13 Disposal considerations

- Waste from residues:** Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

14 Transport information

- Additional information:** Not dangerous cargo.

15 Regulatory information

- Labelling according to international regulations:** no labelling.

16 Other information

- None.

The data given here is based on current knowledge and experience. The data does not signify any warranty with regard to the product's properties.